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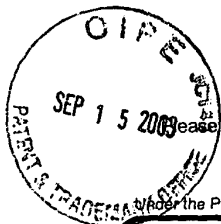
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	VACCINES TO INDUCE MUCOSAL IMMUNITY
As the below named inventor(s), I/we declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> Application No. <u>10/613,975</u> , filed on <u>July 3, 2003</u> ,	
<input type="checkbox"/> as amended on _____ (if applicable);	
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;	
I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;	
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.	
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.	

<b>FULL NAME OF INVENTOR(S)</b>	
Inventor one:	Donald L. Wise
Signature:	<u><i>Donald L. Wise</i></u> Citizen of: <u>United States</u>
Inventor two:	Debra J. Trantolo
Signature:	<u><i>Debra J. Trantolo</i></u> Citizen of: <u>United States</u>
Inventor three:	David D. Hile
Signature:	<u><i>David D. Hile</i></u> Citizen of: <u>United States</u>
Inventor four:	Stephen A. Doherty
Signature:	<u><i>Stephen A. Doherty</i></u> Citizen of: <u>United States</u>

☐ Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/613,975
Filing Date	July 3, 2003
First Named Inventor	Donald L. Wise
Title	Vaccines to Induce Mucosal Immunity
Group Art Unit	
Examiner Name	
Attorney Docket Number	CSI 130

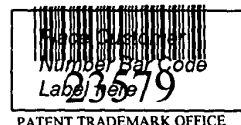
I hereby appoint:

☒ Practitioners at Customer Number

23579

OR

☐ Practitioner(s) named below:



Name	Registration Number
Patrea L. Pabst	31,284
Zhaoyang Li	46,872
Rivka D. Monheit	48,731
Todd S. Hofmeister	53,029

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

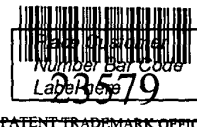
Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

OR



☐ Firm or  
Individual Name

Patrea L. Pabst; Holland & Knight LLP

Address Suite 2000, One Atlantic Center

Address 1201 West Peachtree Street, N.E.

City Atlanta State GA Zip 30309-3400

Country USA

Telephone (404) 817-8473 Fax (404) 817-8588

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name Debra J. Trantolo

Signature DJT Trantolo

Date July 16, 2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Donald L. Wise, Debra J. Trantolo, David D. Hile, and Stephen A. DohertyApplication No./Patent No.: 10/613,975 Filed/Issue Date: July 3, 2003Entitled: Vaccines to Induce Mucosal ImmunityCambridge Scientific, Inc., a corporation of the Commonwealth of Massachusetts

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

July 16, 2003  
DateDebra J. Trantolo  
Typed or printed name  
Debra J. Trantolo  
Signature  
President & CEO  
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CSI 130 - 077044/00010

## ASSIGNMENT

We, Donald L. Wise of 195 Common Street, Belmont, Massachusetts 02176; Debra J. Trantolo of 28 Radford Road, Princeton, Massachusetts 01541; David D. Hile of 183 Fulton Street, Medford, Massachusetts 02155; and Stephen A. Doherty of 44 North Main Street, Newmarket, New Hampshire 03857, in consideration of ten dollars and other valuable consideration paid to us by Cambridge Scientific, Inc., a corporation of the Commonwealth of Massachusetts, having its principal place of business at 180 Fawcett Street, Cambridge, Massachusetts 02138 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "*Vaccines to Induce Mucosal Immunity*" described in U.S. Serial No. 10/613,975 filed in the United States Patent and Trademark Office on July 3, 2003, by Donald L. Wise, Debra J. Trantolo, David D. Hile, and Stephen A. Doherty, and in the provisional application to which priority is claimed, being U.S. Provisional Application Serial No. 60/393,777 filed in the United States Patent and Trademark Office on July 3, 2002, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any provisional, divisional, continuation, continuation-in-part, reissue, or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

Title: "Vaccines to Induce Mucosal Immunity"  
By: Donald L. Wise, Debra J. Trantolo,  
David D. Hile, and Stephen A. Doherty  
Filed: July 3, 2003  
ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

WITNESS my hand and seal this 16<sup>th</sup> day of July, 2003.

Donald L. Wise

Donald L. Wise

Commonwealth of Massachusetts )  
County of Middlesex )

Then personally appeared the above named Donald L. Wise and acknowledged the foregoing instrument to be his free act and deed, before me this 16 day of July, 2003.

Kenneth Hoelzl  
Notary Public

KENNETH HOELZL  
Notary Public

My Commission expires My Commission Expires Sept. 17, 2004

Title: "Vaccines to Induce Mucosal Immunity"  
By: Donald L. Wise, Debra J. Trantolo,  
David D. Hile, and Stephen A. Doherty  
Filed: July 3, 2003  
ASSIGNMENT

WITNESS my hand and seal this 16<sup>th</sup> day of July, 2003.

Debra J. Trantolo  
Debra J. Trantolo

Commonwealth of Massachusetts )  
County of Middlesex )

Then personally appeared the above named Debra J. Trantolo and acknowledged  
the foregoing instrument to be her free act and deed, before me this 16 day of  
July, 2003.

Kenneth Hoelzl  
Notary Public

KENNETH-HOELZL  
Notary Public

My Commission expires: My Commission Expires Sept. 17, 2004

Title: "Vaccines to Induce Mucosal Immunity"  
By: Donald L. Wise, Debra J. Trantolo,  
David D. Hile, and Stephen A. Doherty  
Filed: July 3, 2003  
ASSIGNMENT

WITNESS my hand and seal this 16<sup>th</sup> day of July, 2003.

David D. Hile  
David D. Hile

Commonwealth of Massachusetts )  
County of Middlesex )

Then personally appeared the above named David D. Hile and acknowledged the foregoing instrument to be his free act and deed, before me this 16 day of July, 2003.

Kenneth Hoelzl  
Notary Public

KENNETH HOELZL  
Notary Public  
My Commission Expires Sept. 17, 2004

My Commission expires: \_\_\_\_\_

Title: "Vaccines to Induce Mucosal Immunity"  
By: Donald L. Wise, Debra J. Frantolo,  
David D. Hille, and Stephen A. Doherty  
Filed: July 3, 2003  
ASSIGNMENT

WITNESS my hand and seal this 16<sup>th</sup> day of July, 2003.

Stephen A. Doherty  
Stephen A. Doherty

Commonwealth of Mass )  
County of Middlesex )

Then personally appeared the above named Stephen A. Doherty and acknowledged  
the foregoing instrument to be his free act and deed, before me this 16 day of  
July, 2003.

Kenneth Hoelzl  
Notary Public

KENNETH HOELZL  
Notary Public  
My Commission expires Sept. 17, 2004

ATL1 #584527 v1